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London EC4A 1PQ (GB)(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
95928725.1 / 0 773 965(71) Applicant:
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(54) Polymerisation catalyst

(57) A polymerisation catalyst comprising:

(A) rare earth metal component selected from the group consisting of (1) a reaction mixture obtainable by treating a silica support, a carbon black support or a mixed support thereof with a mono- or diethyl aluminium chloride, adding a neodymium carboxylate in the presence of a solvent to form a slurry, and removing the solvent or (2) a reaction mixture obtainable by dissolving a neodymium carboxylate in a first solvent, adding silica or carbon black, and removing the solvent to obtain a dry solid, contacting the dry solid with a solution containing a mono- or di-ethyl aluminium chloride in a second solvent, and removing the second solvent; and

(B) a co-catalyst selected from the group consisting of a diisobutyl aluminium hydride, triisobutyl aluminium, and a mixture thereof.

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EUROPEAN SEARCH REPORT

Application Number

EP 98 10 5784

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
P, X, D	EP 0 647 657 A (BAYER AG) 12 April 1995 * the whole document * ---	1	C08F10/00 C08F4/622 C08F4/54
Y	EP 0 599 096 A (MICHELIN & CIE ;ATOCHIM ELF SA (FR)) 1 June 1994 * claims; examples *	1-7	
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A	IWAKAZU HATTORI ET AL: "CHEMICAL MODIFICATION OF NEODYMIUM HIGH CIS-1,4 POLYBUTADIENE WITH STYRENEOXIDE" POLYMERS FOR ADVANCED TECHNOLOGIES, vol. 4, no. 7, 1 August 1993, pages 450-456, XP000396650 * page 450 - page 456 *	1-7	TECHNICAL FIELDS SEARCHED (Int.Cl.)
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The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	8 July 1998	Kaumann, E	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			